

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/055485 A3

(51) International Patent Classification⁷: **H04Q 7/30**,
7/32, 7/00

(21) International Application Number:
PCT/KR2004/003160

(22) International Filing Date: 2 December 2004 (02.12.2004)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2003-0086842
2 December 2003 (02.12.2003) KR

(71) Applicant (for all designated States except US): LG
ELECTRONICS INC. [KR/KR]; 20, Yoido-dong,
Youngdungpo-gu, Seoul 150-721 (KR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): SEOL, Jee Woong
[KR/KR]; 1003-904, Joo-Mong APT., Gwangjeong-dong,
Gunpo-si, Gyeonggi-do 110-031 (KR).

(74) Agents: BAHNG, Hae Cheol et al.; KBK & Associates,
15th Floor Yo Sam Building, 648-23, Yeoksam-dong,
Kangnam-gu, Seoul 135-080 (KR).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

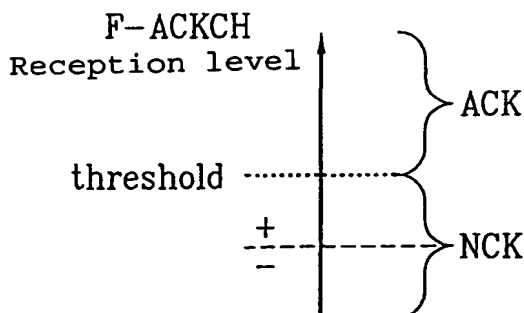
Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
4 August 2005

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF POWER CONTROL AND ACKNOWLEDGEMENT CONTROL FOR F-ACKCH



(57) Abstract: The present invention provides a power control
method of a forward-acknowledgement channel and acknowle-
gement control method thereof, by which acknowledgement or non-
acknowledgement information for a boost mode operation used for
a quality of service (Qos) can be efficiently received. The present
invention includes the steps of receiving packet transmission in-
formation in a base station and determining a power of a trans-
mission signal transmitted via the forward-acknowledgement chan-
nel (F-ACKCH) using an increment for a reference transmission
power value of a boost mode in case that the packet transmission
control information contains a boost operation.